

Amendments to the Claims

Please amend the claims as shown below in the complete listing of claims:

1. (Currently amended) An autonomously movable home extraction cleaning robot comprising:
 - a) a base housing;
 - b) a drive system mounted to said base housing, said drive system adapted to autonomously move said base housing on a substantially horizontal surface having boundaries;
 - c) a computer processing unit for storing, receiving and transmitting data, said computer processing unit attached to said base housing;
 - d) a dusting assembly positioned at a rearward portion of said base housing, operatively associated with said base housing and adapted to selectively rest on a surface to be cleaned;
 - e) a suction nozzle positioned at a forward portion of the base housing for withdrawing dirt, debris and liquid from the surface to be cleaned;
 - f) a squeegee positioned rearwardly of and adjacent to the suction nozzle and adapted to contact the surface to be cleaned and adapted to collect dirt, debris and liquid from the surface to be cleaned for removal by suction through the suction nozzle;
 - g) a cleaning fluid delivery system having a fluid distributor positioned forwardly of the suction nozzle for depositing a cleaning fluid on the surface to be cleaned;
 - h) a recovery tank mounted on the base housing and in fluid communication with the suction nozzle;
 - i) a suction source mounted to the base housing and in fluid communication with the suction nozzle and the recovery tank for drawing dirt, debris and liquid collected by the squeegee through the suction nozzle and depositing the same in the recovery tank; and

j) a power source connected to said drive system and said computer processing unit, whereby said computer processing unit directs horizontal movement of said base housing within the boundaries of the surface to be cleaned based upon input data defining said boundaries.

2. (Cancelled)

3. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 1 and further comprising an agitator mounted on the base housing for agitating contact with the surface to be cleaned.

4. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 3 and further comprising floor condition sensors mounted on base housing for detecting a floor condition and for generating a control signal that forms a part of the input data to the computer processing unit.

5. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 4 wherein the computer processing unit controls at least one of the agitator, the delivery of fluid by the fluid delivery system, the suction source and the drive system in response to the control signal.

6. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 5 and further comprising proximity sensors mounted on base housing for detecting a the boundaries of the surface to be cleaned and for generating a second control signal that forms a part of the input data to the computer processing unit

7. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 6 wherein the computer processing unit controls the drive system in response

to the second control signal to keep the base housing within the boundaries of the surface to be cleaned.

8. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 1 wherein the input data is a remote control signal.

9. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 1 wherein the input data comprises a program that guides the base housing through a predetermined path on the surface to be cleaned.

10. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 1 wherein the drive system comprises at least one wheel that is driven by a drive motor.

11. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 1 wherein the dusting assembly is removably mounted to a pad that forms a support for the dusting assembly.

12. Canceled.

13. Canceled.

14. (Currently amended) The autonomously movable home extraction cleaning robot according to claim 4 wherein the computer processing unit controls at least one of the agitator, the suction source and the drive system in response to the control signal.

15. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 14 and further comprising proximity sensors mounted on the base housing for

detecting the boundaries of the surface to be cleaned and for generating a second control signal that forms a part of the input data to the computer processing unit.

16. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 15 wherein the computer processing unit controls the drive system in response to the second control signal to keep the base housing within the boundaries of the surface to be cleaned.

17. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 1 and further comprising floor condition sensors mounted on the base housing for detecting a floor condition and for generating a control signal that forms a part of the input data to the computer processing unit.

18. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 17 wherein the computer processing unit controls at least one of the suction source and the drive system in response to the control signal.

19. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 1 and further comprising proximity sensors mounted on the base housing for detecting the boundaries of the surface to be cleaned and for generating a second control signal that forms a part of the input data to the computer processing unit

20. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 19 wherein the computer processing unit controls the drive system in response to the second control signal to keep the base housing within the boundaries of the surface to be cleaned.

21. (Canceled)

Serial No. 10/707,130
Filed: 11/21/2003
Page 6 of 17

Examiner: Theresa T. Snider
Group Art Unit: 1744

22. Canceled.

23. Canceled.

24. (Currently amended) The autonomously movable home extraction cleaning robot according to claim 1 and further comprising an agitator mounted within the suction nozzle for agitating contact with the surface to be cleaned.

25. Canceled.

26. (Previously presented) The autonomously movable home extraction cleaning robot according to claim 1 wherein the dusting assembly comprises:
a dusting pad attached to a bottom surface of the base housing; and
a removable dusting cloth associated with the dusting pad.